

A. List of Publications:

- [1] Khatioda, R., Pathak, D. and Sarma, B. Cu (II) complex onto a pyridine-based porous organic polymer as a heterogeneous catalyst for nitroarene reduction. *ChemistrySelect*, 3(23):6309-6320, 2018.
- [2] Khatioda, R., Talukdar, D., Saikia, B., Bania, K. K. and Sarma, B. Constructing two dimensional amide porous polymer to promote selective oxidation reactions. *Catalysis Science & Technology*, 7(14):3143-3150, 2017.
- [3] Khatioda, R., Pathak, D. and Sarma, B. Microporous organic polymer as organocatalyst in the selective oxidation of olefins to aldehydes accomplishing C=C bond cleavage; 2018 (Manuscript in communication).
- [4] Khatioda, R., Pathak, D. and Sarma, B. Nucleophilic activation and oxidation of sp^3 C-H bond supported by π -electron rich metal impregnated porous polymeric network; 2018 (Manuscript in preparation).
- [5] Khatioda, R., Bora, P. and Sarma, B. Trimorphic ethenzamide cocrystal: in-vitro solubility and membrane efflux studies. *Crystal Growth & Design*, DOI: 10.1021/acs.cgd.8b00603, 2018.
- [6] Khatioda, R., Saikia, B., Das, P. J. and Sarma, B. Solubility and in vitro drug permeation behavior of ethenzamide cocrystals regulated in physiological pH environments. *CrystEngComm*, 19(46):6992-7000, 2017.
- [7] Saikia, B., Khatioda, R., Bora, P. and Sarma, B. Pyridine N-oxides as cofomers in the development of drug cocrystals. *CrystEngComm*, 18(43):8454-8464, 2016.
- [8] Saikia, B., Bora, P., Khatioda, R. and Sarma, B., Hydrogen bond synthons in the interplay of solubility and membrane permeability/diffusion in variable stoichiometry drug cocrystals. *Crystal Growth & Design*, 15(11):5593-5603, 2015.
- [9] Chetana, P. R., Sahana, S., Policegoudra, R. S., Sarma, B. and Khatioda, R., Synthesis and chemical nuclease activities of Cu(II) and Ni(II) Complexes of 4-chloro-2-(pyridine-3-yliminomethyl) phenol schiff bases. *International Journal of Pharmaceutical Sciences Review and Research*, 34(1):220-227, 2015.

B. List of Conference / Seminar /Symposium/Workshop Attended:

- [1] Poster presented entitled “*Tapping electronic properties of amide-porous polymer to promote selective-oxidation reactions*” at 24th Congress and General Assembly of International Union of Crystallography, 21-28th August, 2017, Hyderabad, India.
- [2] Oral presentation entitled “*Amide Linked Covalent Organic Framework with π -cloud Conjugation as Organic Catalyst in Selective Oxidation Reactions*” at National Seminar on Recent Developments in Chemistry (NSRDC), 12-13th July 2017, St. Mary’s College, Shillong, Meghalaya, India.
- [3] Poster presented entitled “*Pharmacokinetic Property Enhancement for Ethenzamide Cocrystals*” at National Symposium on Emerging Trends in Chemistry (ETC-2016) on 28-29th March, 2016, North Eastern Hill University (NEHU), Shillong, Meghalaya, India.
- [4] Poster presented entitled “*2D Covalent Organic Framework: Exploring Carboxamide Linkage*” at National Conference on Contemporary Development in Chemical Science (CDCS-2015) at Tezpur University, Assam, India.
- [5] Poster presented entitled “*Variable Stoichiometry in the Cocrystallization of the Theophylline and Aminobenzoic Acids*”, in the National Symposium on X–ray Diffraction and Recent Advances in Crystallography, 27-28th Feb, 2015, Periyar University, Tamil Nadu, India.